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From:
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Batavia, IL, USA

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To:
Korea Institute of Science and Technology Information
245 Daehangno, Yuseong, Daejeon, 305-806
Republic of Korea

Dear Sir or Madam,

It is with great pleasure that I present to you this report of the Collaborative Research And Development Agreement with KISTI for 2014 (CRADA FRA 2014-0002/ KISTI-C14014). At this point we can state that all the goals presented in the proposal will be successfully completed by the end of the contract (Oct 20140). The final report, the documentation produced, the papers, and the source code developed are attached.

The collaboration focused on a multi-year program of research and development for a federated Cloud computing infrastructure. In the first year, we have demonstrated proof-of-principle integrations of Cloud and Grid systems to run scientific workflows on multiple dynamically allocated resources. In this second year, we have extended the scale and scope of the work, focusing on deployment of on-demand services in support of scientific computation and demonstrating scalability to 1,000 Virtual Machines on the Fermilab private Cloud (FermiCloud) and Amazon Web Services.

We look forward to further collaborative initiatives with KISTI and renew our interest in continuing the joint multi-year program started with this project.

Sincerely,



Gabriele Garzoglio, Ph.D. (Principal Investigator)
Grid and Cloud Services Department, Head
Scientific Computing Division
Fermi National Accelerator Laboratory